

# Refine Search

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## Search Results -

|                |           |
|----------------|-----------|
| Terms          | Documents |
| flange and L12 | 25        |

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Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

[]

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## Search History

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DATE: Thursday, December 16, 2004 [Printable Copy](#) [Create Case](#)

| <u>Set</u><br><u>Name</u> | <u>Query</u>  | <u>Hit</u><br><u>Count</u> | <u>Set</u><br><u>Name</u> |
|---------------------------|---|----------------------------|---------------------------|
| side by side              |   |                            | result set                |
| DB=USPT; PLUR=YES; OP=ADJ |   |                            |                           |
| <u>L13</u>                | flange and L12  | 25                         | <u>L13</u>                |
| <u>L12</u>                | l10 and L11   | 125                        | <u>L12</u>                |
| <u>L11</u>                | roller or disc  | 791980                     | <u>L11</u>                |
| <u>L10</u>                | piston and L9   | 432                        | <u>L10</u>                |
| <u>L9</u>                 | l2 and L8   | 928                        | <u>L9</u>                 |
| <u>L8</u>                 | 166/380.ccls. or 166/206.ccls. or 166/207.ccls. or 166/382.ccls. or 166/387.ccls. or 166/384.ccls.<br>or 166/55.ccls. or 166/277.ccls. or 166/216.ccls. | 2348                       | <u>L8</u>                 |
| <u>L7</u>                 | stepped profile and mandrel and expandable and l1   | 3                          | <u>L7</u>                 |
| <u>L6</u>                 | l3 and L5   | 24                         | <u>L6</u>                 |
| <u>L5</u>                 | expand\$4 disc  | 304                        | <u>L5</u>                 |
| <u>L4</u>                 | roller and L3   | 4668                       | <u>L4</u>                 |
| <u>L3</u>                 | piston and l2   | 22334                      | <u>L3</u>                 |

L2 expand\$3 and L1

120085 L2

L1 tubular or tubing or pipe

645191 L1

END OF SEARCH HISTORY

# Refine Search

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## Search Results -

| Terms                     | Documents |
|---------------------------|-----------|
| roller and piston and L15 | 0         |

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Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L19

## Search History

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DATE: Thursday, December 16, 2004 [Printable Copy](#) [Create Case](#)

Set  
Name Query  
 side by  
 side

*DB=USPT; PLUR=YES; OP=ADJ*

L19 roller and piston and L15  
L18 roller and piston and L17  
L17 roller and disc and L16  
L16 tool and L15  
L15 expan\$4 and L14  
L14 6634431.pn. or 6328113.pn.  
L13 flange and L12  
L12 l10 and L11  
L11 roller or disc  
L10 piston and L9  
L9 l2 and L8  
L8 166/380.ccls. or 166/206.ccls. or 166/207.ccls. or 166/382.ccls. or 166/387.ccls. or 166/384.ccls.

Hit  
Count Name  
 result set

0 L19  
 0 L18  
 0 L17

2 L16

2 L15

2 L14

25 L13

125 L12

791980 L11

432 L10

928 L9

2348 L8

|           |   |        |           |
|-----------|---|--------|-----------|
|           | or 166/55.ccls. or 166/277.ccls. or 166/216.ccls. |        |           |
| <u>L7</u> | stepped profile and mandrel and expandable and l1 | 3      | <u>L7</u> |
| <u>L6</u> | l3 and L5   | 24     | <u>L6</u> |
| <u>L5</u> | expand\$4 disc                                    | 304    | <u>L5</u> |
| <u>L4</u> | roller and L3                                     | 4668   | <u>L4</u> |
| <u>L3</u> | piston and l2                                     | 22334  | <u>L3</u> |
| <u>L2</u> | expand\$3 and L1                                  | 120085 | <u>L2</u> |
| <u>L1</u> | tubular or tubing or pipe                         | 645191 | <u>L1</u> |

END OF SEARCH HISTORY